From the INTERNATIONAL SEARCHING AUTHORITY

## **PCT**

JAMES C. BUSHMAN BROWNING BUSHMAN 5718 WESTHEIMER SUITE 1800 HOUSTON, TX 77057	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION  (PCT Rule 44.1)					
	Date of Mailing (day/month/year) 26 FFB / 1004					
Applicant's or agent's file reference CHAT -86/PCT	FOR FURTHER ACTION See paragraphs 1 and 4 below					
International application No. PCT/US03/20597	International filing date (day/month/year) 26 June 2003 (26.06.2003)					
Applicant DAVIS, STEPHEN T	·					
The applicant is hereby notified that the international se	arch report has been established and is transmitted herewith.					
Filing of amendments and statement under Article 19 The applicant is entitled, if he so wishes, to amend the	9:					
·	is normally two months from the date of transmittal of the					
	Where? Directly to the International Bureau of WIPO, 34, chemin des Colombettes					
For more detailed instructions, see the notes on the						
The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.						
3. With regard to the protest against payment of (an) add	ditional fee(s) under Rule 40.2, the applicant is notified that:					
applicant's request to forward the texts of both th	peen transmitted to the International Bureau together with the e protest and the decision thereon to the designated Offices.  Applicant will be notified as soon as a decision is made.					
4. Reminders						
Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90 bis.1 and 90 bis.3, respectively, before the completion of the technical preparations for international publication.						
examination must be filed if the applicant wishes to postpone date (in some Offices even later); otherwise the applicant mu acts for entry into the national phase before those designated O						
•	nths (or later) will apply even if no demand is filed within 19 months.					
See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide, Volume II, National Chapters and the WIPO Internet site.						
Name and mailing address of the ISA/US  Mail Stop PCT, Attn: ISA/US  Commissioner for Patents  P.O. Box 1450	Authorized officer Philip C Tucker Darf Will The land No. 703 208 0651					

Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230

Form PCT/ISA/220 (April 2002)

Telephone No. 703-308-0651

(See notes on accompanying sheet)



# **PCT**

### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's CHAT -86/P	or agent's file reference PCT	FOR FURTHER ACTION		ration of Transmittal of International Search orm PCT/ISA/220) as well as, where applicable, ow.			
International PCT/US03/2	application No.			(Earliest) Priority Date (day/month/year) 26 June 2002 (26.06.2002)			
Applicant DAVIS, STEPHEN T							
This interna  1. Basis of	tional search report consists  It is also accompanied  the Report  With regard to the language, tanguage in which it was filed.	of a total of sheets.  I by a copy of each prior art docurrence international search was carried a unless otherwise indicated under the	nent cited out on the l	basis of the international application in the			
2	Authority (Rule 23.1(b)). With regard to any nucleotide search was carried out on the learn contained in the international filed together with the international furnished subsequently to the the statement that the subsequently to the statement that the informational application as the statement that the information claims were found. Certain claims were found Unity of invention is lacking the text is approved as submitted.	and/or amino acid sequence disclobasis of the sequence listing: al application in written form. national application in computer reading Authority in written form. is Authority in computer readable for quently furnished written sequence I filed has been furnished. nation recorded in computer readable unsearchable (See Box I). ing (See Box II).	osed in the dable form.  orm.  isting does  e form is id				
5. With r	egard to the abstract, the text is approved as submethe text has been established within one month from the	I, according to Rule 38.2(b), by this	Authority search repo	as it appears in Box III. The applicant may, ort, submit comments to this Authority.			
6. The fi	gure of the drawings to be pul as suggested by the applican because the applicant failed because this figure better ch	to suggest a figure.	lo	None of the figures			



### INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/20597

A. CLASSIFICATION OF SUBJECT MATTER  IPC(7) : C07C 205/00, 229/00; E21B 43/00; C09K 3/00  US CL : 562/553; 560/155; 166/309; 507/202, 240, 244  According to International Patent Classification (IPC) or to both national classification and IPC  B. FIELDS SEARCHED							
		v classification symbols)					
Minimum documentation searched (classification system followed by classification symbols) U.S.: 562/553; 560/155; 166/309; 507/202, 240, 244							
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched							
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet							
C. DOC	UMENTS CONSIDERED TO BE RELEVANT						
Category *	Citation of document, with indication, where ap		Relevant to claim No.				
х	US 4,587,025 A (HORODYSKY et al) 06 May 1986 column 2, line 31.		1-4, 6				
х	US 4,012,437 A (SHACHAT et al) 15 March 1977 ( 4, line 18		1-6				
x	US 5,902,784 A (HELLSTEN et al) 11 May 1999 (11.05.1999), column 3, line 46-51.						
Y	US 4,775,489 A (WATKINS et al) 04 October 1988 (04.10.1988), column 1, lines 22-29, and Tables I and II.						
:							
	1	*	·				
		,					
		·					
Further	documents are listed in the continuation of Box C.	See patent family annex.					
• S	pecial categories of cited documents:	"T" later document published after the inte date and not in conflict with the applic					
	defining the general state of the art which is not considered to be lar relevance	principle or theory underlying the invention of particular relevance; the					
	plication or patent published on or after the international filing date	considered novel or cannot be conside when the document is taken alone					
"L" document establish ( specified)	which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as	"Y" document of particular relevance; the considered to involve an inventive step combined with one or more other such	when the document is				
"O" document	referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the					
	published prior to the international filing date but later than the ate claimed						
Date of the ac	ctual completion of the international search	Date of mailing of the international search	ch report				
06 February	2004 (06.02.2004)		26 FFB 2004				
Name and ma	ailing address of the ISA/US	Authorized officer					
	il Stop PCT, Attn: ISA/US nmissioner for Patents	Pate of mailing of the international search report  2 6 FFB 2004  Authorized officer  Philip C Tucker  Telephone No. 703-308-0651					
P.O	Box 1450	Telephone No. 703-308-0651					
	xandria, Virginia 22313-1450 o. (703) 305-3230						



#### INTERNATIONAL SEARCH REPORT

Continuation of	B. FIELDS	SEARCHED	Item 3:
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**EAST** 

search terms:amphoteric, betaine, chloride free, chloride-free, acrylate, methacrylate, acrylic acid.